

US 6435407 B1	Computerized shopping	235/383 235/431
US 6296101 B1	Token management s	194/217 232/16; 340/5.4; 453/17
US 6189824 B1	Preventing tape slack	242/357 360/95
US 6008819 A	Information retrieval d	715/500 715/514
US 5972594 A	Method for screening	435/4 435/7.1; 435/806; 436/63; 436/65
US 5878369 A	Golf course yardage e	701/215 340/990; 342/357.08
US 5739513 A	Automated shopping t	235/383 186/61; 235/385
US 5689431 A	Golf course yardage e	701/213 340/990; 340/995.28; 342/457; 701/213
US 5637847 A	Automated shopping t	235/383 186/61; 235/385
US 5491785 A	Information retrieval d	715/526 340/7.52; 345/501; 715/513
US 5406271 A	System for supplying	340/5.91 340/825.36; 705/10
US 5295064 A	Intelligent shopping c	705/1 340/5.91
US 5287266 A	Intelligent shopping c	705/1 340/825.49
US 5036772 A	Suspension conveyor	104/91 104/102
US 4906825 A	Golf cart range finder	235/95R 235/96
US 4740467 A	Methods for diagnosis	435/7.36 435/188; 436/548; 530/388.4; 530/388.4
US 4424893 A	Method and installation	194/212 186/62; 194/905
US 3679874 A	AUTOMATIC BAGGAGE	365/49 235/454
US 3610159 A	AUTOMATIC BAGGAGE	104/88.05 198/349
JP 2003196456 A	QUESTIONNAIRE SYSTEM	
JP 10039703 A	IMAGE FORMING DEVICE	
JP 04217275 A	IMAGE FORMING DEVICE	
US 20030233775 A	Divider bar for merchandise checkout counter e.g. grocery stores, etc.	
KR 2001084892 A	System and method for constructing global cyber shopping mall over the Internet	
JP 2000357177 A	Traffic line grasping system used in store e.g. supermarket, including a method of grasping a line	
JP 09262166 A	Illuminating type mirror apparatus in e.g. dress goods counter in hairdresser's shop	
JP 07249174 A	Accounting function type shopping basket - has alarm device to send out alarm when basket is left	
JP 62023246 A	Video monitoring system for department store counters - TDM transmission	

L8

US 7084765 B2	Processor-based posi	340/572.1	235/383; 235/384; 340/539.1; 340/568.5
US 6975205 B1	Cart return credit syst	340/5.92	194/211; 235/383; 340/568.5; 701/216
US 6648103 B2	Method and apparatus	188/32	188/1.11E
US 6502669 B1	Security device and m	188/1.12	16/35R; 188/19; 280/33.994
US 6486768 B1	Cart return loyalty cre	340/5.92	194/211; 194/213; 194/905; 235/383
US 6125972 A	Security apparatus an	188/1.12	188/111; 188/5; 280/33.994
US 5881846 A	Security device for sh	188/1.12	188/111; 188/5; 280/33.994
US 5576691 A	Method and apparatus	340/568.5	188/111; 280/33.994
US 5500526 A	Monitoring device for	250/222.1	340/568.5
GB 2391098 A	Security and electronic surveillance particularly for shopping trolley		
US 7072766 B2	Guidance information	701/211	701/201
US 7070024 B2	Method and apparatus	186/52	188/32; D12/217
US 7000737 B2	Method and apparatus	188/19	188/32; 188/36; D12/217
US 6991243 B2	Platform scooter for la	280/87.05	280/47.371; 280/47.38; 280/87.04
US 6944981 B1	Mobile dispensing dis	40/308	186/27; 280/33.992; 40/606.03
US 6928343 B2	Shopper tracker and p	701/24	340/5.91; 340/568.5; 701/216; 701/217
US 6854747 B2	Cover assembly for hc	280/79.3	150/154
US 6832884 B2	Shopping cart collecti	414/539	414/785
US 6805365 B2	Shopping cart constru	280/33.99	280/33.992
US 6793224 B2	Truck for skateboards	280/87.04	280/87.041
US 6746030 B1	Shopping trolley	280/47.38	280/33.991; 280/33.993; 297/256
US 6715681 B2	Scanning module for	235/462.0	235/462.1; 235/462.32
US 6712274 B2	Permanent visual sho	235/472.0	116/203; 346/7; 702/56; 73/488; 73/489
US 6644210 B1	Shopping cart convey	104/172.3	104/128; 104/162; 198/321; 198/322
US 6621516 B1	Panoramic pipe inspe	348/84	348/36; 356/241.1; 396/19
US 6490979 B1	Inclined shopping cart	104/172.3	104/128; 104/162; 198/321; 198/322
US 6443079 B1	Agricultural machinery	111/52	111/24; 111/925; 172/677; 280/47.38
US 6435803 B1	Shopping cart collecti	414/539	280/33.991; 414/27; 414/785
US 6415880 B1	Transportation system	180/19.3	180/65.1; 280/79.2
US 6386331 B2	Method and apparatus	188/32	248/346.11; D12/217
US 6378684 B1	Detecting mechanism	194/213	194/905
US 6375202 B2	Household cart and m	280/47.35	211/204; 280/47.371; 280/79.3
US 6279672 B1	Motorization system fo	180/65.1	180/65.8
US 6278941 B1	Route guide system	701/209	701/213; 701/24; 701/25
US 6271755 B1	Shopping cart with im	340/568.5	188/1.12; 188/19; 280/33.994
US 6260643 B1	Cart puller with retain	180/14.1	180/19.1; 280/33.991
US 6224072 B1	Household cart	280/47.35	211/204; 280/47.371; 280/79.3; 4
US 6173817 B1	Automatically braking	188/5	188/1.12; 188/111; 188/69
US 6168367 B1	Shopping cart collecti	414/539	280/33.991; 414/27; 414/785
US 6142283 A	Cart management sys	194/205	194/905
US 6125985 A	Cart management sys	194/205	194/905
US 6085891 A	Pallet body for moving	198/333	

US 6076791 A	Device for placing of i	248/229.2; 248/230.5; 280/33.992; 40/308
US 6024527 A	Shopping cart, loadab	414/345 254/10R; 254/2R; 280/33.991; 28
US 6024203 A	Cart management sys	194/213 194/905; 340/568.5
US 6008546 A	Electronic control syst	307/9.1 318/580; 318/587; 340/435; 701/3
US 5951029 A	Transport cart with de	280/33.992; 194/212; 194/905; 280/33.994
US RE36267 E	Vehicle body with pow	49/340 49/28
US 5921373 A	Cart management sys	194/213 194/905; 340/572.1
US 5836596 A	Shopping cart	280/33.99; 280/33.992
US 5820146 A	Hand cart for the trans	280/87.04; 280/47.19; 280/47.35; 280/88
US 5806862 A	Security wheel appar	280/33.99; 188/111
US 5745951 A	Directional control cas	16/31R 16/35R; 16/37
US 5694662 A	Global force bearer wl	16/25 16/26
US 5566788 A	Shopping cart brake a	188/1.12
US 5494308 A	Storage and display d	280/33.99; 220/495.01; 224/411; 280/288.4;
US 5473991 A	Apparatus for conveyi	104/172.3 104/172.2; 104/242; 104/88.01
US 5448856 A	Vehicle body with pow	49/340 49/28
US 5441434 A	Magnetic conveyance	446/130 104/154; 198/619; 362/802; 446/
US 5394962 A	Braking devices	188/1.12 188/111; 188/5; 280/33.994
US 5259633 A	Transport cart with co	280/33.99; 194/905
US 5235767 A	Shopping cart adverti	40/308 40/781
US 5167439 A	Wheel and brake syst	301/5.1 152/5; 188/82.3; 280/5.26; 301/6;
US 5127190 A	Sliding door	49/31 49/118; 49/141; 49/28; 49/360
US 5082087 A	Shopping cart placem	182/129 182/20; 182/230; 182/77; 52/186
US 5082074 A	Transport vehicle	180/11 180/19.1; 280/33.991
US 5027924 A	Cashier check-out sta	186/62 280/33.995
US 4795205 A	Windshield for golf ca	296/77.1 280/DIG.5; 296/84.1
US 4723118 A	Magnetic detection sy	340/568.5 186/62
US 4685701 A	Shopping cart caddy	281/42 224/277; 224/411; 248/441.1; 28
US RE32453 E	Shopping cart with ba	280/33.993
US 4671186 A	Positive drive assemb	104/168 104/89; 105/148; 105/29.1
US 4605267 A	Security cart	312/297 312/290; 312/312; D34/21
US 4560180 A	Shopping cart	280/33.99; 280/33.995
US 4548295 A	Counter system	186/63 186/59
US 4524985 A	Cart anti-theft device	280/33.99; 188/5; 280/DIG.4
US 4518073 A	Vehicle lock apparatu	194/205 186/27; 194/905
US 4518072 A	Cart conveyor and dis	194/205 104/172.3; 194/905
US 4513983 A	Point-of-purchase adv	280/33.99; 40/308
US 4470495 A	Device for encouragin	194/205 194/905
US 4423882 A	Shopping cart with ba	280/33.99; 280/33.996
US 4339141 A	Collapsible folding cai	280/652 280/42
US 4338594 A	Trolley check-out mor	340/568.5 340/556; 340/673
US 4292764 A	Multi-panel closures	49/237 160/354; 49/9

US 4241668 A	Supply container mou	108/26	312/270.3
US 4235327 A	Escalator with driver c	198/326	
US 4220345 A	Picnic basket on roller	280/43.16	
US 4185848 A	Shopping cart	280/652	280/655; 280/655.1; 301/124.1
US 4067591 A	Base for nestable sho	280/33.997	280/79.3
US 3964763 A	Wheeled push-cart hz	280/47.17	280/DIG.3
US 3938638 A	Apparatus for receivin	194/211	49/49
US 3924709 A	Unloading assembly fi	186/64	414/353; 414/401
US 3897863 A	Cart reception and rev	194/212	
US 3787063 A	SHOPPING CART OF	280/33.995	186/52; 280/33.993; 280/33.996
US 3748437 A	MOBILE FOOD CON	219/214	126/268; 219/202; 219/479; 312/
US 3667635 A	COMBINED TRUCK E	414/498	296/186.4; 296/3; 296/35.3; 410/
US 3651890 A	DEVICE FOR SELF-S	186/68	198/436
US 3572815 A	VAN BODY WITH OV	296/40	296/155
US 6502669 B	Security device for e.g. shopping cart has locking pin that co-acts v		
DE 29902717 U	Supermarket trolley with token-operated lock has inserted token co		
US 5473991 A	Device for conveying work objects e.g. returning of shopping carts :		
WO 9410000 A	Castor type wheel assembly e.g. for supermarket shopping trolley -		
EP 421578 A	Display system for shopping trolley - manual movement of trolley b:		

L17

US 7084765 B2	Processor-based posi	340/572.1	235/383; 235/384; 340/539.1; 340/572.1
US 6648103 B2	Method and apparatus	188/32	188/1.11E
GB 2391098 A	Security and electronic surveillance particularly for shopping trolley		
US 7070024 B2	Method and apparatus	186/52	188/32; D12/217
US 7000737 B2	Method and apparatus	188/19	188/32; 188/36; D12/217
US 6928343 B2	Shopper tracker and	701/24	340/5.91; 340/568.5; 701/216; 701/217
US 6715681 B2	Scanning module for	235/462.0	235/462.1; 235/462.32
US 6712274 B2	Permanent visual sho	235/472.0	116/203; 346/7; 702/56; 73/488; 73/489
US 6621516 B1	Panoramic pipe inspe	348/84	348/36; 356/241.1; 396/19
US 6386331 B2	Method and apparatus	188/32	248/346.11; D12/217
US 6278941 B1	Route guide system	701/209	701/213; 701/24; 701/25
US 6142283 A	Cart management sys	194/205	194/905
US 6125985 A	Cart management sys	194/205	194/905
US 6024527 A	Shopping cart, loadab	414/345	254/10R; 254/2R; 280/33.991; 280/33.992
US 6024203 A	Cart management sys	194/213	194/905; 340/568.5
US 5921373 A	Cart management sys	194/213	194/905; 340/572.1

L 19

US 7084765 B2	Processor-based posi	340/572.1	235/383; 235/384; 340/539.1; 340/539.2
US 6975205 B1	Cart return credit syst	340/5.92	194/211; 235/383; 340/568.5; 701/201
US 6648103 B2	Method and apparatus	188/32	188/1.11E
US 6502669 B1	Security device and m	188/1.12	16/35R; 188/19; 280/33.994
US 6486768 B1	Cart return loyalty cre	340/5.92	194/211; 194/213; 194/905; 235/383
US 5500526 A	Monitoring device for	250/222.1	340/568.5
GB 2391098 A	Security and electronic surveillance particularly for shopping trolley		
US 7072766 B2	Guidance information	701/211	701/201
US 7070024 B2	Method and apparatus	186/52	188/32; D12/217
US 7000737 B2	Method and apparatus	188/19	188/32; 188/36; D12/217
US 6944981 B1	Mobile dispensing dis	40/308	186/27; 280/33.992; 40/606.03
US 6928343 B2	Shopper tracker and p	701/24	340/5.91; 340/568.5; 701/216; 701/201
US 6832884 B2	Shopping cart collecti	414/539	414/785
US 6805365 B2	Shopping cart constru	280/33.99	280/33.992
US 6746030 B1	Shopping trolley	280/47.38	280/33.991; 280/33.993; 297/256
US 6715681 B2	Scanning module for s	235/462.0	235/462.1; 235/462.32
US 6712274 B2	Permanent visual sho	235/472.0	116/203; 346/7; 702/56; 73/488; 73/489
US 6621516 B1	Panoramic pipe inspe	348/84	348/36; 356/241.1; 396/19
US 6435803 B1	Shopping cart collecti	414/539	280/33.991; 414/27; 414/785
US 6386331 B2	Method and apparatus	188/32	248/346.11; D12/217
US 6378684 B1	Detecting mechanism	194/213	194/905
US 6278941 B1	Route guide system	701/209	701/213; 701/24; 701/25
US 6271755 B1	Shopping cart with im	340/568.5	188/1.12; 188/19; 280/33.994
US 6168367 B1	Shopping cart collecti	414/539	280/33.991; 414/27; 414/785
US 6142283 A	Cart management sys	194/205	194/905
US 6125985 A	Cart management sys	194/205	194/905
US 6076791 A	Device for placing of i	248/229.2	248/230.5; 280/33.992; 40/308
US 6024203 A	Cart management sys	194/213	194/905; 340/568.5
US 6008546 A	Electronic control syst	307/9.1	318/580; 318/587; 340/435; 701/201
US 5921373 A	Cart management sys	194/213	194/905; 340/572.1
US 5836596 A	Shopping cart	280/33.99	280/33.992
US 5494308 A	Storage and display d	280/33.992	220/495.01; 224/411; 280/288.4; 280/288.5
US 5235767 A	Shopping cart adverti	40/308	40/781
US 5127190 A	Sliding door	49/31	49/118; 49/141; 49/28; 49/360
US 5027924 A	Cashier check-out sta	186/62	280/33.995
US 4795205 A	Windshield for golf ca	296/77.1	280/DIG.5; 296/84.1
US 4723118 A	Magnetic detection sy	340/568.5	186/62
US 4671186 A	Positive drive assemb	104/168	104/89; 105/148; 105/29.1
US 4548295 A	Counter system	186/63	186/59
US 4524985 A	Cart anti-theft device	280/33.99	188/5; 280/DIG.4
US 4513983 A	Point-of-purchase adv	280/33.992	40/308
US 4338594 A	Trolley check-out mor	340/568.5	340/556; 340/673

L25

US 6975205 B1	Cart return credit syst	340/5.92	194/211; 235/383; 340/568.5; 70/
US 6648103 B2	Method and apparatus	188/32	188/1.11E
US 6502669 B1	Security device and m	188/1.12	16/35R; 188/19; 280/33.994
US 6486768 B1	Cart return loyalty cre	340/5.92	194/211; 194/213; 194/905; 235/
US 6125972 A	Security apparatus an	188/1.12	188/111; 188/5; 280/33.994
US 5881846 A	Security device for sh	188/1.12	188/111; 188/5; 280/33.994
US 5576691 A	Method and apparatus	340/568.5	188/111; 280/33.994
GB 2391098 A	Security and electronic surveillance particularly for shopping trolley		
US 7070024 B2	Method and apparatus	186/52	188/32; D12/217
US 7000737 B2	Method and apparatus	188/19	188/32; 188/36; D12/217
US 6415880 B1	Transportation system	180/19.3	180/65.1; 280/79.2
US 6386331 B2	Method and apparatus	188/32	248/346.11; D12/217
US 6378684 B1	Detecting mechanism	194/213	194/905
US 6271755 B1	Shopping cart with im	340/568.5	188/1.12; 188/19; 280/33.994
US 5806862 A	Security wheel appar	280/33.99	188/111
US 5745951 A	Directional control cas	16/31R	16/35R; 16/37
US 5566788 A	Shopping cart brake a	188/1.12	
US 4723118 A	Magnetic detection sy	340/568.5	186/62
US 4524985 A	Cart anti-theft device	280/33.99	188/5; 280/DIG.4
WO 9410000 A	Castor type wheel assembly e.g. for supermarket shopping trolley -		

L23

US 6125972 A	Security apparatus an	188/1.12	188/111; 188/5; 280/33.994
US 5820142 A	Sanitary protective co	280/33.992	150/154
US 5429377 A	Sanitary protective co	280/33.992	150/154
US 5427392 A	Sanitary protective co	280/33.992	150/154; D34/27
US 5402106 A	Shopping cart theft pr	340/568.5	340/426.28; 340/531; 340/547; 340/548
US 5295064 A	Intelligent shopping c	705/1	340/5.91
US 5287266 A	Intelligent shopping c	705/1	340/825.49
US 5158310 A	Display system for sh	280/33.992	186/62; 340/10.6; 340/5.91; 40/48
US 4772880 A	Shopping cart anti-the	340/568.5	280/33.994; 340/571
US 6542079 B1	Infrared detection and	340/568.5	250/222.1; 340/555; 340/556; 340/557
US 5739513 A	Automated shopping t	235/383	186/61; 235/385
US 5637847 A	Automated shopping t	235/383	186/61; 235/385
US 4882724 A	Shoppers communica	705/14	340/5.91; 700/90; 705/16
US 4868544 A	Shopping cart retrieva	340/568.5	180/167; 186/62; 194/905; 200/62
US 4773175 A	Display board for a sh	40/308	
US 4723118 A	Magnetic detection sy	340/568.5	186/62

Lb

US 5878369 A

Golf course yardage $\approx 701/215$

340/990; 342/357.08

US 5689431 A

Golf course yardage $\approx 701/213$

340/990; 340/995.28; 342/457; 70

L10

US 5429377 A
US 5427392 A

Sanitary protective co 280/33.99; 150/154
Sanitary protective co 280/33.99; 150/154; D34/27

L13

US 5295064 A	Intelligent shopping c:705/1	340/5.91
US 5287266 A	Intelligent shopping c:705/1	340/825.49
US 5283550 A	Shopping cart receive 340/539.2	194/905; 340/309.16; 340/309.8;
US 4973952 A	Shopping cart display 340/5.91	186/62; 340/5.92; 340/825.49; 70
US 4868544 A	Shopping cart retrieval 340/568.5	180/167; 186/62; 194/905; 200/6
US 3742507 A	AUTOMATIC GOLF B 180/167	180/169; 180/170; 280/DIG.5; 311

L15

US 6003771 A	System and method for	235/383	414/273
US 5158310 A	Display system for	sh	280/33.99; 186/62; 340/10.6; 340/5.91; 40/4
US 6414454 B1	Pass point system for	318/266	318/282; 318/286; 318/468; 318/
US 6400112 B1	Bi-directional pass-po	318/445	318/450; 318/460; 318/467; 318/
US 6359399 B1	Electronic control syst	318/16	318/266; 318/466; 318/468; 318/
US 6175089 B1	Multi-position automa	200/400	
US 6133703 A	Bi-directional pass-po	318/445	318/450; 318/460; 318/467; 318/
US 6051947 A	Pass point system for	318/445	318/265; 318/266; 318/282; 318/
US 5979344 A	Tufting machine with	r	112/80.23 112/80.41; 112/80.55
US 5951226 A	Freight handling plant	414/141.3	212/316; 212/325; 212/326; 414/
US 5825995 A	Printer with motion de	358/1.18	358/401; 358/472
US 5761888 A	Method and apparatus	53/502	198/580; 198/657; 53/251; 53/47
US 5632589 A	Apparatus for centrali	414/339	198/349.6; 198/370.04
US 5264822 A	System for transmittin	340/286.0	340/5.91; 340/692; 340/825.36
US 4921055 A	Soil displacement han	175/45	175/73
US 4656476 A	Warning device for gc	340/993	280/DIG.5; 340/323R; 340/539.1;
US 4158414 A	Crane device	212/291	212/274; 212/327; 212/346
US 3827365 A	AUTOMATIC TYPE O	104/88.03	104/127; 104/295
US 3821933 A	APPARATUS FOR LII	104/8	33/287
US 3742507 A	AUTOMATIC GOLF B	180/167	180/169; 180/170; 280/DIG.5; 31

L18